UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/973,784	10/09/2001	Phillip Mark Schein	P5507	7277

7590 12/16/2004	EXAMINER

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ART UNIT	PAPER NUMBER
2167	

DATE MAILED: 12/16/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>09 October 2001</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-48* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-48* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>09 October 2001</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All   b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>10/9/01, 12/9/02</u>.

4)☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____ .

DETAILED ACTION

1.   Claims 1-48 are pending.

2.   Information Disclosure Statement filed on October 9, 2001 has been considered.

The IDS filed on December 9, 2002 has been considered except for the US Patent

Documents as they where considered in the previous IDS (10/9/01).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

4.   Claims 1-2,4-10,12-18,20-26,28-34,36-42,44-48 are rejected under 35

U.S.C. 103(a) as being unpatentable over Harari (US 2003/0033241 A1) in view of

Perks (US 6,553,388).

As per claims 1,17,33 Harari teaches:

a method for managing accesses to data objects by multiple user programs over a

network at summary;

generating a page including at least one editable field of data from at least one data

object at parg.72;

calculating an initial value from the at least one data object at parg. 73, lines 5-8;

transmitting the page and the initial value to one user program over the network fig.9

(edit/resubmit);

receiving the page and the initial value from the user program, wherein the received

page includes modified data in at least one editable field at parg. 77;

calculating a current value from the at least one data object after receiving the page at

parg. 73;

...updating the data object with the modified data included in the received page at fig. 9

(updating and resubmit) and parg.73.

Harari does not explicitly teach determining whether the initial value transmitted

with the received page is different than the current value and if the initial and current

values match, updating the data object with the modified data included in the received

page however Perks does teach determining whether the initial value transmitted with

the received page is different than the current value at fig.2 and col.4, lines 54-56 and if

the initial and current values match... at col.5, lines 10-15. It would have been obvious

to one of ordinary skill in the art at the time of the invention to combine the cited

references to provide record updates in a compatible time scale at col.3, lines 9-12.

As per claims 2,18,34 same as claim argument above and Perks teaches:

not updating the data object with the modified data in the received page if the initial and

current values do not match at col.4, lines 56-60 and fig.2.

As per claims 4,20,36 same as claim argument above and Harari teaches:

wherein updating the data object comprises adding the modified data to the content of

the data object at parg.73.

As per claims 5,21,37 same as claim argument above and Harari teaches:

wherein updating the data object comprises adding the modified data to a name of the data object at parg. 73 , Harari: update records.

As per claims 6,22,38 same as claim argument above and Harari teaches: wherein the page includes multiple editable fields, wherein each of the editable fields correspond to one of a plurality of data objects, wherein the value is calculated from the plurality of the data objects, whereby a modification to one of the plurality of data objects between a time the initial value and current value are calculated will cause the initial value to differ from the current value at parg. 72.

As per claims 7,23,39 same as claim argument above and Harari teaches: wherein updating the data object further comprises updating each of the plurality of data objects with the data from the corresponding editable field in the received page, wherein at least one of the editable fields includes modified data at parg. 73.

As per claims 8,24,40 same as claim argument above and Harari teaches: wherein the page includes multiple editable fields, wherein each of the editable fields corresponds to one of a plurality of data objects at parg. 72, wherein calculating the initial value further comprises calculating a plurality of initial values, wherein each initial value is calculated from at least one data object corresponding to at least one editable field in the page at parg.73;

wherein calculating the current value further comprises calculating a plurality of current values, wherein each current value is calculated from at least one data object corresponding to at least one editable field in the page at parg. 73 and fig.9;

and wherein updating the data object with the modified data included in the received page further comprises updating each data object used in the calculation of the matching initial and current values with the modified data included in the received page at parg.73.

Harari does not explicitly teach wherein determining whether the initial value transmitted with the received page is different than the current value is performed for each of the plurality of initial and current values however Parks does teach this limitation at fig.2 and col.4, lines 54-56 and col.5, lines 10-15. It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the cited limitations to provide record updates in a compatible time scale at col.3, lines 9-12.

As per claims 9,25,41 same as claim argument above and Harari teaches: generating information on groups of the data objects corresponding to editable fields in the page, wherein each group comprises at least one data object corresponding to one editable field in the page, and wherein one initial value is calculated for each group from the data objects in the group at parg. 73, lines 5-8.

As per claims 10,26,42 same as claim argument above and Harari teaches: wherein each data object is associated with only one group at fig.6 and parg. 72 (Harari: registration form, name , address, e-mail).

As per claims 12,28,44 same as claim argument above and Perks teaches: wherein the initial value and current value are calculated by performing a checksum operation on the at least one data object at fig.2, and col.4, line 26, bridging to, col. 5, line 25.

As per claims 13,29,45 same as claim argument above and Harari teaches: wherein the page comprises one of a Hypertext Markup Language page, Extensible Markup Language (XML) page, an American Standard Code for Information Interchange (ASCII) text file, and Standard Generalized Markup Language (SGML) at parg. 81 and fig. 8.

As per claims 14,30,46 same as claim argument above and Harari teaches: wherein each data object comprises a file in a file system at fig.3 and fig. 9.

As per claims 15,31,47 same as claim argument above and Harari teaches: wherein the user program generates a graphical user interface in which the page is rendered and presented at fig. 8-fig. 9 (edit/resubmit).

As per claims 16,32,48 same as claim argument above and Harari teaches: wherein the initial value is encoded in the page at parg.73 (Harari: date time similar to applicant's initial value).

5.   **Claims 3,11,19,27,35,43 rejected under 35 U.S.C. 103(a) as being unpatentable over Harari (US 2003/0033241 A1) in view of Perks (US 6,553,388) and further in view of Klug et al (US 2001/0011274).**

As per claims 3,19,35 same as claim argument above and Harari and Perks do not explicitly teach returning a message to the user program ... however Klug does teach this limitation at parg.55, It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the cited references to alert users of discrepancies between records.

As per claims 11,27,43 same as claim argument above and Harari and Perks do not explicitly teach generating information into a message indicating editable fields corresponding to data objects used in calculating initial and current values that do not match and generating information into the message that modifications made to the indicated editable fields were not applied however Klug does teach this limitation at parg.55, It would have been obvious to one of ordinary skill in the art at the time of the invention to combine the cited references to alerts user of discrepancies between records.
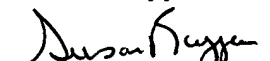
Conclusion

6.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Susan Rayyan whose telephone number is (571) 272-4117. The examiner can normally be reached M-F: 8am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (571) 272-4107 The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for Official communications, (703) 746-7238 for After Final communications and (703) 746-7240 for Status inquires and draft communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Susan Rayyan

December 6, 2004

Primary Examiner